In the Specification:

Page 17, line 25 through page 19, line 11, please amend the
paragraph as follows:

In a step ST13 of FIG. 1, the produced three-dimensional
object composed only of the surface data (polygon data) 3 is cut
along a given cross section 11 as shown in FIG. 5. Since the
surfaces of the three-dimensional object composed of polygon data
are out of sight from the inside of the object, the three-
dimensional object which is cut along the given section 11 is
displayed as seen in FIG. 5. That is, outlines drawn in broken
lines are not displayed. Further, the cross-sectional surface of
the object is not displayed and the surface behind it appears
when seeing the outside from the viewpoint inside the object via
the cross-sectional surface and the surface of the object. For
example, a left outline, a bottom outline, and a part of the
inner surface of a left cross-sectional surface 51 in FIG. 5 are
not displayed (are not ~~sheen~~ seen) because it is assumed that
these are seen from the inside of the object. A left outline and
a bottom outline of a right cross-sectional surface 52 in FIG. 5
of the cylinder are not displayed (are not seen) because it is
assumed that these are seen from the inside of the object.
However, the inner surface (in part) of the cylinder on the
background side is seen through the right cross-sectional surface

52 of the cylinder. Through a cross section 6 of a sphere inside the cylinder shown in FIG. 5, a rear face of the sphere at the background side is not seen and the inner surface (in part) of the cylinder is seen through. Besides, through a cross section 7 of a cuboid inside the cylinder shown in FIG. 5, a rear face of the cuboid at the background side is not seen and the inner surface (in part) of the cylinder is seen through. As mentioned above, as the three-dimensional object composed only of the polygon data 3 is cut along the given cross section 11, only parts of the outlines at the cross section are displayed, that is, not all of the outlines at the cross section is displayed. At the same time, surface images which are normally invisible are seen through the cross-sectional surfaces. It should be noted that the outline data which are shown by the broken lines on the cross section 11 for cutting the polygon data 3 are produced mathematically.